

Workshop on Quality Improvement Methods  
at the Universitätskolleg Bommerholz  
Bommerholzer Str. 60, 58456 Witten-Bommerholz  
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Program

Friday, October 11, 2002

until 15:00

Meeting at the Department of Statistics,  
University of Dortmund

15:00

Transfer to Bommerholz (by car)

16:00

Informal get-together, coffee

Session 1: Taguchi-Methods

16:30

Opening

16:45 - 17:15 D. Steinberg (Tel Aviv)

The use of noise factors in robust  
design experiments

17:30 - 18:00 J. Kunert (Dortmund)

An experiment to compare the  
combined array approach and the  
product array approach

18:15

Dinner

Session 2: Taguchi-Methods

19:30 - 20:00 M. Erdbrügge (Dortmund)

Bias considerations for transformation  
parameter estimation in extended Box-  
Cox-models

20:15 - 20:45 Y. Chen (Dortmund)

Analysis of non-orthogonal saturated  
designs

from 21:00

Informal discussions in the bar of the  
institute

## Saturday, October 12, 2002

### Session 3: Experimental Design

9:00 - 9:30 B. Govaerts (Louvain-La-Neuve) Optimal design for non-linear calibration models  
9:45 - 10:15 W. Müller (Wien) Measures for designs in experiments with correlated errors

10:30 Break

### Session 4: Experimental Design

11:00 - 11:30 R. J. Martin (Sheffield) Factorial designs with dependent observations  
11:45 - 12:15 T. Naes (Ås) Sorting of raw material with focus on end product quality

12:30 Lunch / Walk /Coffee

### Session 5: Dynamics

15:30 - 16:00 J. Engel (Eindhoven) Testing effects in semi-parametric dynamic mixed models  
16:15 - 16:45 W. Theis (Dortmund) Experimental design considerations for models on periodogram ordinates  
17:00 - 17:30 H. Kantz (Dresden) Analysis of time series data in reconstructed state spaces  
17:45 - 18:00 Closing

18:00 Dinner / End of the workshop

from 19:00 Transfer to the hotels